

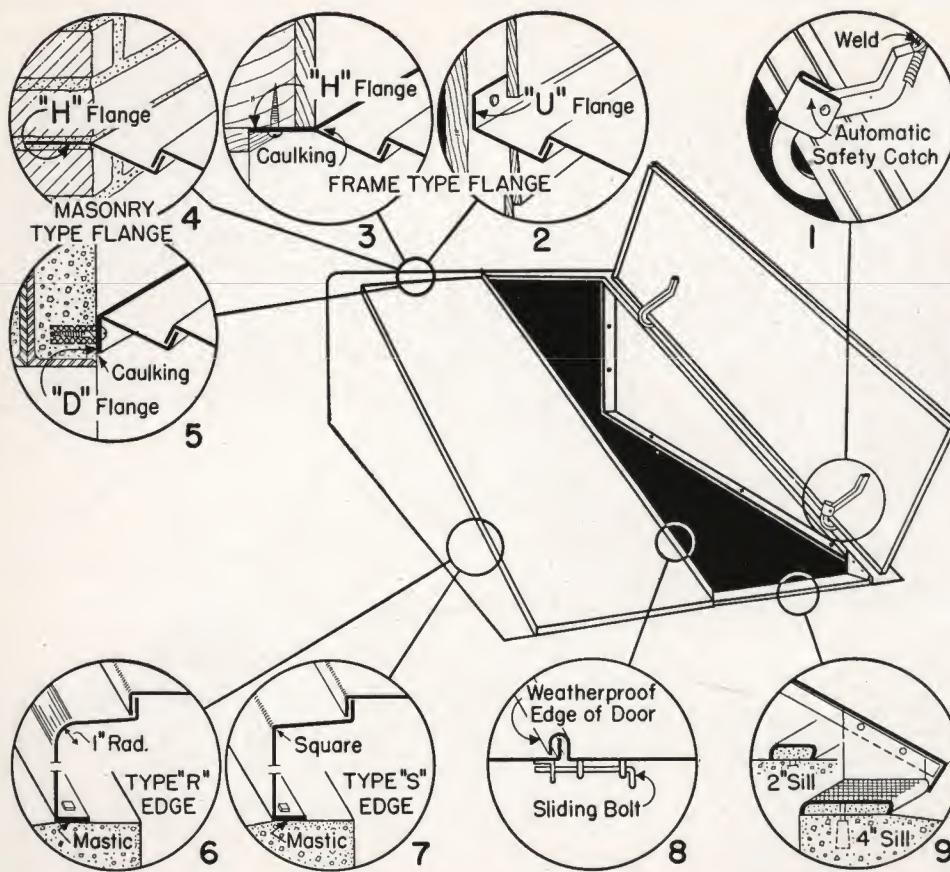
make basements below grade safe
and accessible for work or play with a

BILCO

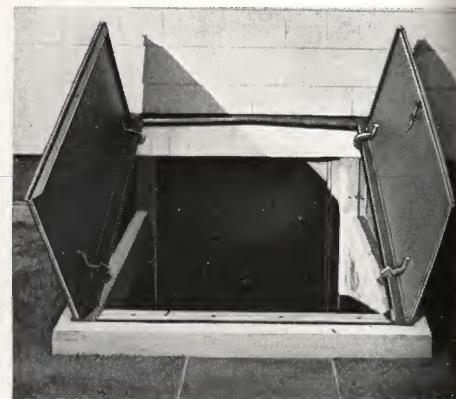
ALL
METAL

CELLADOOR

Make Basements Useful, Safe, Accessible

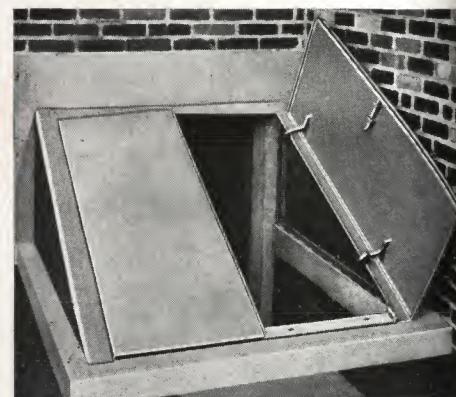


FOR EITHER FRAME OR MASONRY CONSTRUCTION



FRAME CONSTRUCTION

In frame construction, or where the lower edge of the masonry lintel comes below the head of the Celladoors, the flange is supplied in a vertical position. In frame construction the flange is secured to the sheathing and the siding (see "U" Flange detail); shingles or stucco are carried down over it. With this installation, the Celladoors frame is put in place during the progress of construction.



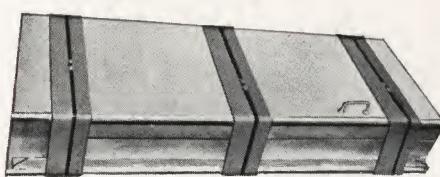
MASONRY CONSTRUCTION

Where the lower edge of the masonry lintel comes flush with the head of the Celladoors this flange is supplied in a horizontal position for bolting to the underside of the lintel; the joint is then spread with ample caulking for weather-tightness. See "H" Flange Detail. Where the lower edge of the masonry lintel comes below the head of the Celladoors, the Celladoors are shipped with vertical flange turned down. After setting in place the joint between the masonry and steel is then caulked as previously described.

At the time of installation, the flanges of the bottom and ends of side members should be embedded firmly in a fairly thick cushion of roofing cement or Vulcatax, to insure weather-tightness and protect this flange, which is not accessible for re-painting.

CONSTRUCTION FEATURES

1. Automatic safety catch, see description.
2. Head flange "U" type fastened to sheathing and siding or shingles carried over it.
3. Head flanges "H" type bolted under lintel for frame or masonry construction.
4. Head flange "H" type set into masonry joint and caulked with mastic.
5. Head flange "D" type bolted to face of masonry lintel and caulked.
6. Rounded top edge of side of Type R and bottom edge set in mastic and bolted to concrete.
7. Square top edge for Type S.
8. Detail of water tight edge of doors and sliding bolt.
9. Detail of the plain 2" and checkered 4" steel sills supplied on order.



Complete Celladoors Packaged for Shipment

HARDWARE

Regularly equipped with 2 hinges to each door; a sliding bolt for locking the doors from inside, and a lift-handle.

Hinges are of $1/2 \times 3/4$ in. bar iron secured to the underside of the doors and are inaccessible from the outside when doors are closed and bolted.

AUTOMATIC SAFETY CATCH

Lower hinge on each door is equipped with an automatic safety catch so that when either or both doors are fully opened, they are automatically held in that position until the hinge device is tripped by hand or foot.

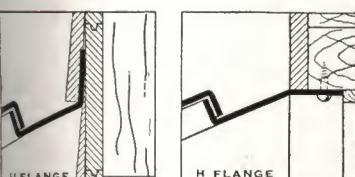
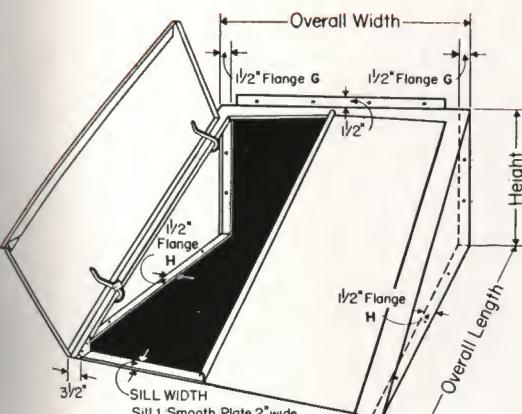
Catch is of very simple construction and prevents the doors being blown or knocked shut.

MATERIAL AND CONSTRUCTION

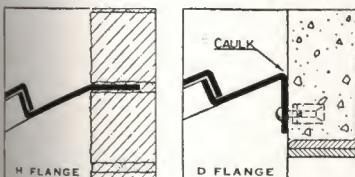
Bilco Celladoors, manufactured throughout of 12 gauge steel, are designed to last as long as the building itself. They are attractive in appearance; corrosion, water, termite and burglar proof; cannot warp out of shape and will function perfectly almost indefinitely.

They are shipped knocked down in six parts with the necessary assembly bolts, lag screws and caulking compound, and can be assembled and built into place in less than one hour when provision is made to receive them.

They are given a shop coat of gray paint when shipped and may be painted any color desired after installation. Occasional repainting is required.



"U" Flange "H" Flange
FOR FRAME CONSTRUCTION



"H" Flange "D" Flange
FOR MASONRY CONSTRUCTION

STYLES OF CELLADOORS

FOUR STANDARD STYLES—Bilco Celladoors are made in four standard styles, designed for use with either frame or masonry construction. The only difference between the R and S Styles is that the top edge of side jambs are rounded in the R Style and square in the S Style. Each style is made in three stock sizes.

Styles 1-R, 1-S—Flush construction throughout of No. 12 gauge steel.

Styles 2-R, 2-S—Similar to the No. 1 styles, except that doors are 12-gauge diamond pattern plate. Surface prevents sliding.

TWO SPECIAL STYLES—DeLUXE Model—Steel frame, and aluminum doors.

Custom Model—Made with aluminum frame and doors.

DIMENSIONS AND WEIGHTS

STANDARD STYLES: 1R, 1S, 2R, 2S			SPECIAL STYLES: DeLUXE and CUSTOM			
	Size A	Size B	Size C	Size A	Size B	Size C
Overall Width	3'-11"	4'-3"	4'-7"			
Height	2'-0 1/2"	1'-10"	1'-7 1/2"			
Overall Length.....	4'-10"	5'-4"	6'-0"			
Shipping Weight, lbs.	165	185	215			
Shipping Weight, lbs.:						
DeLUXE Model		103	114	123		
CUSTOM Model		79	68	82		

Sills furnished at extra cost. Sill No. 1—plain steel 2" wide. Sill No. 2—checkered steel 4" wide.

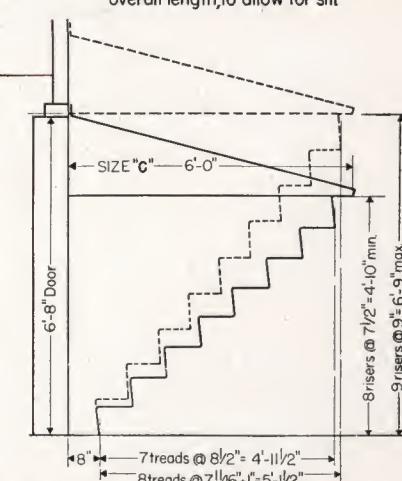
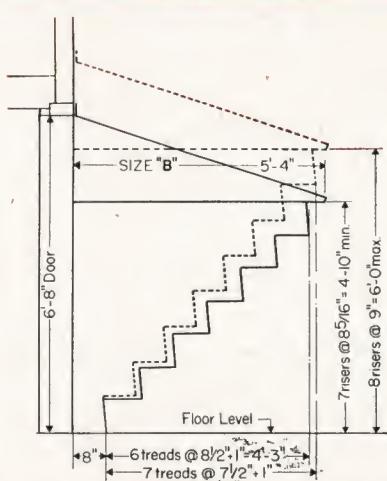
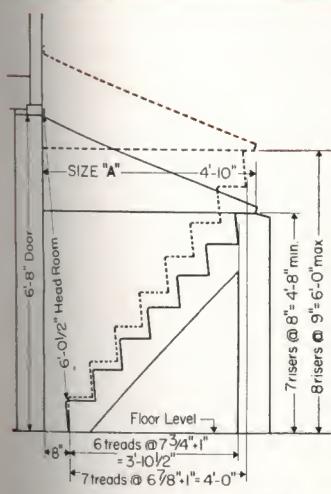
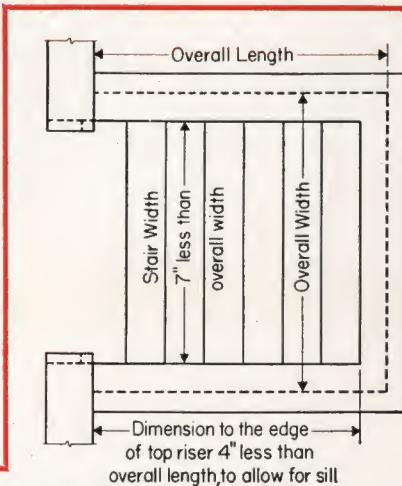
NOTE: For dealer's stock—Style 1R, Size A, is a good seller. Style 1R, Sizes B and C, are the best sellers. Special sizes made to order as required.

IN SPECIFYING OR ORDERING

In specifying or ordering give the Celladoor Style number, the letter indicating round or square edge (see illustrations 6 or 7 on opposite page), size, and type of head flange desired (as shown immediately at left). Example: Bilco Celladoors, Type (1R)—Size (A)—Type (H) flange; also sill No. () if steel sill is desired.

HEAD FLANGE

See details 2, 3, 4 and 5 on page 2 and details regarding type of head flange to select. Unless so indicated, the Head Flange will be furnished bent up "U" for fastening to face of rough building.



DIAGRAMS SHOWING MINIMUM AND MAXIMUM STAIR RUNS FOR SIZES A, B AND C CELLADOORS

NOTE—More run may be given to steps even to starting first riser 2" to 3" inside of cellar wall. This, however, reduces headroom unless vertical opening exceeds the 6' 8" height shown above. Standard doors may be used for lesser

grade heights by cutting off backs of sides and tipping down front and to required height.

BILCO "UNISTAIR"

A Modern ALL-METAL, ALL-PURPOSE Packaged Stair

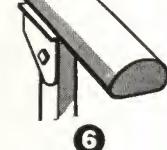
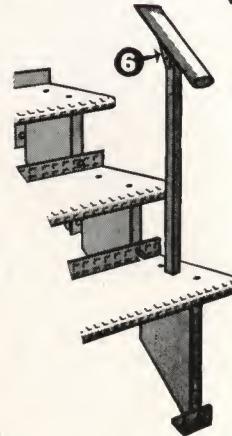


Illustration of standard package ready for shipping

- ✓ Completely Adaptable
- ✓ Fully Adjustable
- ✓ Economical

- ✓ Easy to Install
- ✓ Incombustible
- ✓ Safe

Designed for load of 150 lb. per tread for span of 8 risers.



Adjustable Rail Bracket

Supplied with handrail when required at additional charge.

Standard Carriers of 10-gauge steel are easily assembled with two $\frac{1}{2}$ " machine bolts and lock washers to each pair.

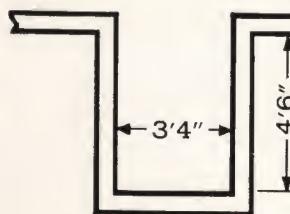
Balusters— $\frac{5}{8}$ " square wrought iron fit into tread and hand rail.

PACKAGES

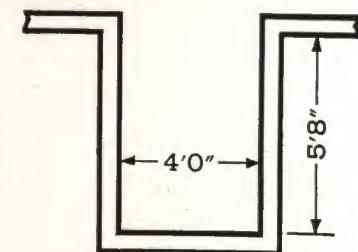
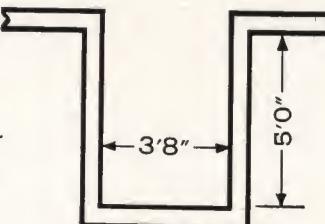
Each package contains 4 Treads with 4 pairs of Carriers and Assembly Bolts. Shipping weight, 115 lbs.

Carriers also sold in packages of 6 pairs, including assembly bolts. Shipping weight, 64 lbs.

THREE SIZES OF MASONRY OPENING TO CELLADOOR FOR "UNISTAIR"



Length of stair treads 2" narrower than these masonry openings.



Size "A"

ADJUSTABLE AS FOLLOWS:

No. of Risers	Height of Riser	Height of Stair	Length of Tread
7	at 8"	4'-8"	3'-2"
7	at 8 1/8"	5'-0 3/8"	3'-2"
7	at 9 1/4"	5'-4 1/4"	3'-2"

Size "B"

ADJUSTABLE AS FOLLOWS:

No. of Risers	Height of Riser	Height of Stair	Length of Tread
7	at 8 1/4"	4'-9 3/4"	3'-6"
7	at 8 1/8"	5'-2 1/8"	3'-6"
7	at 9 1/2"	5'-6 1/2"	3'-6"

Size "C"

ADJUSTABLE AS FOLLOWS:

No. of Risers	Height of Riser	Height of Stair	Length of Tread
8	at 7 1/2"	5'-0"	3'-10"
8	at 8 1/8"	5'-5"	3'-10"
8	at 8 3/4"	5'-10"	3'-10"

Width of tread always 10"-9" run.

THE BILCO COMPANY

PLANT AND MAIN OFFICE

164 HALLOCK AVE., NEW HAVEN 6, CONN.

Representatives in Principal Cities

